



VPI00-115  
SEQUENCE LISTING

<110> Vertex Pharmaceuticals Incorporated

<120> ERK-5 DEFICIENT ANIMALS AND METHODS OF INHIBITING ANGIOGENESIS THROUGH THE INHIBITION OF ERK-5

<130> VPI/00-115 CON

<140> US09/922,584

<141> 2001-08-01

<150> US09/888,182

<151> 2001-06-22

<160> 6

<170> PatentIn version 3.0

<210> 1

<211> 26

<212> DNA

<213> Mus musculus

<400> 1

cagccattcg atgtgggccc acgcta

26

<210> 2

<211> 25

<212> DNA

<213> Mus musculus

<400> 2

tataacattc tcatggcgga atcgc

25

<210> 3

<211> 802

<212> DNA

<213> Mus musculus

<220>

<221> misc\_difference

<222> (1)..(802)

<223> Wherein n is selected from any nucleic acid

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120

gcgggttgaac ccagagtgat gcgggctgtg agtccaggac attggtaggg acagttctta

180

tctctcaaga gggcaagggc tggggatgtc gatcactggt aggctgatga gcatctttga

240

ggttttaggt tgactctcct gtacaaaagg ggaaaagaat caagaggatt tacctcttta

300

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tggtcatgcc acctttggtt atatcataag ttcaaggcta gtctagaccc tgttccaaaa	360
gacaaaacan aaaaccnaaa cagcaatnta nganaaggga gagagggcnc agacngnccg	420
ggacagatcc aaattgtaag acaacggaca caatacattg tagtgtcaca cagcagtgtc	480
ctcatggcag acaactaatt attcacagaa tacctcctta aaaatagagt cttcaacata	540
gctttttcag tagctgttgg caaactgtag agtttgctct aaaattaacc atactggcca	600
atcttggtag atttgaatat ttctataaaa aaaatttttt ttgacagaaa ttangtccat	660
ggagaaagtg atttgtcaga aagcttgtaa aaaagtttgg ggctnggaaa aaacccgatt	720
cggtgattaa gatcactcga tcttttaaaa gggacttggc tttaantncc ataatggnet	780
ttcaccgggg ggcntaaact tt	802

<210> 4  
 <211> 794  
 <212> DNA  
 <213> Mus musculus  
  
 <220>  
 <221> misc\_difference  
 <222> (1)..(794)  
 <223> Wherein n is selected from any nucleic acid

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gggggnaact tgaattggga cnccggtgtt gggatcanac tccctctttt ngcctctgta	120
naccagggc acccaagtag tacacatacg ttcaggaaan catacacata cgtttaagaa	180
aactttataa aagttgtggc cagncggtgg tggcgcatgc ctttaatccc agcactgggg	240
aggcagaggc aggcagatct cttgagtttt gggtttgagg ccaacctggt ctacaagagc	300
aagcaagttc caggccagat aaggctacac agacatcttg tcttgaaaaa aagaaagaaa	360
gaatgaaagt tgtagaaaac ctaaaacccg gtgnnnaant ccncncttcc catgntgtta	420
gtcctttggg gtttctactgt aaggccataa cctcaggaat tgggagtgcc aggggacgga	480
gtgccagggg gggcttctcc ctgtgatgtg aggaggctag ctcacccggt tcttcccatt	540
ttcagctatg tggtagtga cctcatggag agcgacctac accagatcat tcaactttca	600
cagccgctca ccttggaaac tgtgagatac ttctgtacc agctgcttcg gggcctcaaa	660
tacatgcact ctgctcaggt catccaccgt gatcttaaac cctctaacct tctgggtcaat	720
gagaactgtg agctcaagat cggtgacttt ggaatggccc gtggcctctg tacttcccc	780
tgccgagcac caga	794

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 <211> 632  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_difference  
 <222> (1)..(632)  
 <223> Wherein n is selected from any nucleic acid

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 cacagttcca cttgagccca gggatggcat ctcaacatct ggacacacag gctcactagc 120  
 cacaggetgc ananaagntg gaacgnattg ttgnegaatg ccctccngtc gtgcatgaaa 180  
 gtcttcattc tcagccacaa tggcctcctt aatgcgctcc ctggtaaggc cttcacgggt 240  
 caaaagcaaa gtcaaaaggt ggggcgcaat caggctcatc atcagggtca tggtaacttag 300  
 ccagaagggg tgcgaaggca gcagcagtna gattcgggcn ctgggttcaa ntgcacccat 360  
 gcgtcccagc agggagaggc cctggcggtc agcacctggg tatactgtct cccaaggcac 420  
 aggttgccctt ggtggcaggc tctggatata ggctgcacc ctttcagccc ccacagcctg 480  
 aatcacagct ggtgacggag ttcccaacac catcatgatc agctgtaact ggtgcacgta 540  
 gtttttgctt gggaagagct ggcgccgagc cagcatctca ccaaagatgc agcccacaga 600  
 ccagaggtcg attgcctgcg gtatactcgt gc 632

<210> 6  
 <211> 617  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_difference  
 <222> (1)..(617)  
 <223> Wherein n is selected from any nucleic acid

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 aaaaaagttt tgttctaaga ccanngaatn ggcagaatga agtggngaag gattagggag 180  
 antctggaat gacctnanta tggtgagtag gaagggaaga aggatcagtt aatncagtca 240  
 caancnnntg ctaactaacg ngcctcctnt ttatgtaagc nattagcanc ngtttcnnga 300  
 ggcagttgga aattaaaaatn ttgatatatg ttacacacag ggccttgcac cacagtaggg 360

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aattnatgnn ntntgggntc cagaagagca gtgctgaagg gacctgcagc taacttgaag	420
gtactctctg gtatatgccc ttttctgct ccccaggcca gcaggtggcc atcaagaaga	480
tacctaatgc ttttgatgtg gtgaccaatg ccaaacggac cctcaggag ctgaagatcc	540
tcaaacactt caaacacgac aatatcatcg ccatcaagga catcctgaag cctactgtgc	600
cctatggaga attcttc	617